**%, KOLASCH & BIRCH** 

1 ... ent Rights

ATTORNEY DOCKET NO.

<u>230-</u>110P

## ASSIGNMENT

	Filed 06-28-96	<u>د</u> َ
	WHEREAS, Seiji NAKAMURA (deceased),	
	Takashi SAKURAI and	
Insert Name(s) of Inventor(s)	Jun-ichi NEZU	_
Insert Title	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in	_
of Invention	GUNE ENCODING ADSEVERIN	-
	for which an application for Letters Patent of the United States of America has been executed by the undersigned	_ :d
Insert Date	on June 17, 1996	
of Signing of Application	on; and; and; and; whereas,Chugai seiyaku kabushiki kaisha	d
Insert Name of Assignee		_
_		
Insert Address of Assignee	of 5-1, Ukima 5-chome, Kita-ku, Tokyo 115 Japan	
	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous o acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;	– f e

NOW THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned ce(s) to execute all papers necessary in connect. with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch and Birch the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U. S. Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date June 17	7, 1996 Name of Inventor Noriko	NAKAMURA (signature) (Heir of	(SEAL) Seiji NAKAMURA
Date June 17	7, 1996 Name of Inventor Takashi	SAKURAI (signature)	(SEAL)
Date June 17	7, 1996 Name of Inventor	Junichi Nezu ni NEZU (signature)	(SEAL)
Date	Name of Inventor	(signature)	(SEAL)
Date	, Name of Inventor	(signature)	(SEAL)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

Witness Masamitan Honda
Witness Tiroko Talbamure
Witness

## BIRCH TEWART, KOLASCH & BIRC LLP

## COMBINED L\_CLARATION AND POWER OF ATTORNE: FOR PATENT AND DESIGN APPLICATIONS

ATTORNEY DOCKET NO.

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

230-110P(PCT)

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:\*

				S	
Insert Title	<b>m</b>	GENE ENCODI	NG ADSEVERIN		
Check Box If					
Appropriate - For Use Without Specification	-	the specification of wh	nich is attached hereto unless th		
Attached			on June 28, 1996	as United	
		States Application	on Number 08/669,28 al Application Number PC	or CT/JP94/02227	
			ed on		- _ (if applicable).
		I haraby state the	at I have reviewed and unders	tand the contents of the above	identified specification
		I acknowledge the Code of Federal Regular I do not know an before my or our inver-	s amended by any amendment re duty to disclose information ations, §1.56. Indicate the same wantion thereof, or patented or de	eferred to above. which is material to patentabilit s ever known or used in the U scribed in any printed publication	ry as defined in Title 37, Inited States of America on in any country before
		use or on sale in the U has not been patented of in any country foreign representatives or assign application for pate. United States of Americal Collows.  I hereby claim for the U has not been patented to the U has n	nited States of America more to made the subject of an inventor to the United States of Agns more than twelve months (sont or inventor's certificate on the cica prior to this application be reign priority benefits under T	prior to this application, that the han one year prior to this application's certificate issued before the theories on an application files in months for designs) prior to his invention has been filed in any me or my legal representativitle 35, United States Code, §1.	eation, that the invention e date of this application ed by me or my legal this application, and that my country foreign to the es or assigns, except as 19 (a)-(d) of any foreign
		application(s) for pate	nt or inventor's certificate list	ted below and have also ident g a filing date before that of the	ified below any foreign
		Prior Foreign Applica	ition(s)		Priority Claimed
Insert Priority Information	_	355112/1993	Japan	12/28/1993	
(if appropriate)	<b>(21)</b>	(i valitoci)	(Country)	(Month/Day/Year Filed) 7/12/1994	Yes No
		160236/1994 (Number)	Japan (Country)	(Month/Day/Year Filed)	Yes No
		340692/1994	Japan	12/20/1994	<b>E</b>
		(Number)	(Country)	(Month/Day/Year Filed)	Yes No
		, ,			
		(Number)	(Country)	(Month/Day/Year Filed)	Yes No
				06 10 06 50 1	
		(Number)	(Country)	(Month/Day/Year Filed)	Yes No
		I hereby claim the application(s) listed be	benefit under Title 35, United low.	l States Code, § 119(e) of any U	united States provisional
		(Application Number)		(Filing Date)	
		(Application Number)		(Filing Date)	
		All Foreign Application Months for Designs) P Country	rior To The Filing Date of Thi	Inventor's Certificate Filed M s Application:  Application No.	Ore Than 12 Months (6
1					
		listed below and, insof	ar as the subject matter of each	d States Code, §120 of any Unit of the claims of this application d by the first paragraph of Title which is material to patentabili	on is not disclosed in the 35, United States Code

(Application Number)

(Filing Date)

and the national or PCT international filing date of this application:

Code of Federal Regulations, §1.56 which became available between the filing date of the prior application

(Status - patented, pending, abandoned)

I hereby appool the following attorneys to prosecute the ppenation and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

RAYMOND C. STEWART (Reg. No. 21,066) JOSEPH A. KOLASCH (Reg. No. 22,463) JAMES M. SLATTERY (Reg. No. 28,380)

CHARLES GORENSTEIN (Reg. No. 29,271) LEONARD R. SVENSSON (Reg. No. 30,330) MARC S. WEINER (Reg. No. 32,181) JOE McKINNEY MUNCY (Reg. No. 32,334) C. JOSEPH FARACI (Reg. No. 32,350) TERRELL C. BIRCH (Reg. No. 19,382)
ANTHONY L. BIRCH (Reg. No. 26,122)
BERNARD L. SWEENEY (Reg. No. 24,448)
MICHAEL K. MUTTER (Reg. No. 29,680)
GERALD M. MURPHY, JR. (Reg. No. 28,977)
TERRY L. CLARK (Reg. No. 32,644)
ANDREW D. MEIKLE (Reg. No. 32,868)
ANDREW F. REISH (Reg. No. 33,443)

EASE NOTE: U MUST MPLETE THE LLOWING: Send Correspondence to: BIRCH, STEWART, KOLASCH AND BIRCH, LLP

P.O. Box 747

Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000

Facsimile: (703) 205-8050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATU	RE	DATE*
Noriko NAKAMURA/executing as	1/2/2/2/1//		
legal representative of decea	used (VOM PSUI VARA	mure	August 7,
inventor Seiji Nakamura and a	ıs		1997
guardian of minor children To	omoki		
Nakamura and Tamaki Nakamura,			
heirs of deceased inventor			
Seiji Nakamura			
Residence (City, State & Country)		CITIZENSHIP	
Chiba-ken 270-01, Japan		Japanese	
POST OFFICE ADDRESS (Complete Street Address inclu	uding City, State & Country) 1	-8-205, Ed	ogawadai
Nishi, Nagareyama-shi, Chi			
GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
Takashi SAKURAI			
Residence (City, State & Country)		CITIZENSHIP	
Tokyo 113, Japan		Japanese	
POST OFFICE ADDRESS (Complete Street Address inclu	uding City, State & Country)		
5-10-603, Hongo 4-chome, E	Bunkyo-ku, Tokyo	113, Japan	n
GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
Juni-ichi NEZU			
Residence (City, State & Country)		CITIZENSHIP	
Tokyo 104, Japan		Japanese	
POST OFFICE ADDRESS (Complete Street Address inclu	iding City, State & Country) C/	o Chugai S	eiyaku
Kabushiki Kaisha, 1-9, Kyo	bashi 2-chome,	Chuo-ku, To	okyo 104, Japan
GIVEN NAME FAMILY NAME	INVENTOR'S SIGNATURE		DATE*
	,		
Residence (City, State & Country)	•	CITIZENSHIP	<u></u>
POST OFFICE ADDRESS (Complete Street Address inclu	uding City, State & Country)		
	•		
1			

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

## COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

ATTORNEY DOCKET NO.

Insert Title

Check Box If Appropriate -For Use Without Specification Attached

230-110P

the specification of which is attached hereto unless one of the  The Specification was filed on	
Serial No and was amended on	
was filed as PCT international application number PCT Dec. 27, 1994 and was amended under PCT Articles	/JP94/02227 on

As a below named inventor, I hereby declare that: my residence post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: \* GENE ENCODING ADSEVERIN

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows:

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below:

Prior Foreign Application(s)			Priority	Claimed
355112/1993	Japan	12/28/1993	<b>83</b>	
(Number)	(Country)	(Month/Day/Year Filed)	Yes	No
160236/1994	Japan	7/12/1994	Ø	
(Number)	(Country)	(Month/Day/Year Filed)	Yes	No
340692/1994	Japan	12/20/1994	Ճ	
(Number)	(Country)	(Month/Day/Year Filed)	Yes	No No
(Number)	(Country)	(Month/Day/Year Filed)	□ Yes	□ No
(Number)	(Country)	(Month/Day/Year Filed)	□ Yes	□ No
All Foreign Applications, i Months (6 Months for Des				han 12
Country	Application No.	Date of Filing	(Month/Da	v/Year)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status — patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status — patented, pending, abandoned)

Insert Priority Information (if appropriate) Thereby: mut the following attorneys to prosecut is application and for an international application based on this application and to transact all outliness in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

RAYMOND C. STEWART (Reg. No. 21,066) JOSEPH A. KOLASCH (Reg. No. 22,463) JAMES M. SLATTERY (Reg. No. 28,380) DONALD C. KOLASCH (Reg. No. 23,038) CHARLES GORENSTEIN (Reg. No. 29,271) LEONARD R. SVENSSON (Reg. No. 30,330) MARC S. WEINER (Reg. No. 32,181)

TERRELL C. BIRCH (Reg. No. 19,382)
ANTHONY L. BIRCH (Reg. No. 26,122)
BERNARD L. SWEENEY (Reg. No. 24,448)
MICHAEL K. MUTTER (Reg. No. 29,680)
GERALD M. MURPHY, JR. (Reg. No. 28,977)
TERRY L. CLARK (Reg. No. 32,644)
ANDREW D. MEIKLE (Reg. No. 32,868)

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FOLLOWING:

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P.O. Box 747

Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 Facsimile: (703) 205-8050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Sole Inventor:	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE
Insert Name of Inventor	Noriko	NAKAMURA	Northe Nakania	م	June 17,
Insert Date This Document is Signed	(Heir of Se	iji NAKAMURA)	1001/20 100/2000	~	1996
Insert Residence	RESIDENCE (City, State &	Country)		CITIZENSHIP	· · · · · · · · · · · · · · · · · · ·
Insert Citizenship	Chiba-ken	270-01 Japan		Japanese	
				_	
Insert Post Office	POST OFFICE ADDRE	S (Complete Street Address Including	iy sı Yağareyama-sh	i Chiha-ke	n
Address		_	., Nagareyama-si	it, chiba ke.	11
	270-01 Jap				
Full Name of Second Inventor, if any:	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		'DATE
see above	Takashi	SAKURAI	Takashi Sukurai		June 17,
see above			The state of the s		1996
•	RESIDENCE (City State &	•		CITIZENSHIP	
	Tokyo 113	Japan		Japanese	
					·
	POST OFFICE ADDRES	SS (Complete Street Address including C	City, State & Country)		
•	5-10-603,	Hongo 4-chome,	Bunkyo-ku, Toky	o 113 Japan	
Full Name of Third Inventor, If any:	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		'DATE
	Juni-ichi	NEZU	Junichi Ne	<b>7</b>	June 17,
see above			Journay 106	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1996
	RESIDENCE (City State &	Country)		CITIZENSHIP	
	Tokyo 104	Japan		Japanese	
	2007 055105 12055				
	c/o Chigai	SS (Complete Street Address including C Seivaku Kabusi	niki Kaisha of 1	-9, Kyobash	i
		Chuo-ku, Tokyo		, ,	
Full Name of Fourth	GIVEN NAME	FAMILY NAME	· · · · · · · · · · · · · · · · · · ·	<del></del>	
Inventor, If any:	GIVEN NAME	PAMILY NAME	INVENTOR'S SIGNATURE		DATE
see above			}		
	RESIDENCE (City, State &	Country	1	CITIZENSHIP	
	Control (only: Since of			CITIZENSHIP	
	POST OFFICE ADDRESS (Complete Street Address including City, State & Country)				
		•	,, , , , , , , , , , , , , , , , , , ,		
;	1				
Full Name of Fifth	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		·DATE
Inventor, If any:					
see above					
	RESIDENCE (City State &	Country)		CITIZENSHIP	·
*Note: Must be completed					
- date this document is					
signed.	POST OFFICE ADDRES	SS (Complete Street Address including C	City State & Country)		
Page 2 of 2					
(USPTO Approved 3-90) (Revised 7-93)	L				
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